

Date: Mon, 11 Jul 94 21:37:01 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #776  
To: Info-Hams

Info-Hams Digest                      Mon, 11 Jul 94                      Volume 94 : Issue    776

Today's Topics:

                    900 MHz QRM DX record?  
          Amateur calls on auto license plates?  
            CW: Complete the Sentence  
              Does CW as a pre-req  
                HDN Releases  
              Legal question (2 msgs)  
            QSL addresses - please help  
              WANTED: SX115  
          What sends COMMAS on CW & very high power in Bowie, MD area?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Mon, 11 Jul 1994 15:31:12 GMT  
From: ihnp4.ucsd.edu!swrinde!gatech!ncar!csn!col.hp.com!srngenprp!  
glenne@network.ucsd.edu  
Subject: 900 MHz QRM DX record?  
To: info-hams@ucsd.edu

Here in northern California, a couple of us are working on higher  
speed digital hardware. As part of this we have 904.5 MHz 10W digital  
transceivers and hardware on hilltops as well as ends of a "backbone"  
running data at speeds from 38.4-230.4 kbps. One of these hilltops is  
at 2000' ASL located a few miles inland from the Pacific Ocean on Morhardt  
Ridge with 180 degree view of the water horizon. It has antennas  
pointed NW toward k6hsj's QTH at Seaview, also near the coastline but at  
1300' ASL as well as east toward n6gn's QTH which is at about 100' ASL

in an inland valley well shielded from a view of the water by a 1000-1500' coastal mountain range. This hardware has been working well for quite some time.

However, on Thursday, July 7 something strange happened; Morhardt stopped copying packets on 904.5 MHz. This happened even though its signals were unchanged and strong, in the -60 dBm territory with >25 dB of link margin and very copiable. The outage lasted only a few hours but soon after it for the next day or so from n6gn and k6hsj's we observed what appeared to be strong radar centered on 905 MHz about 1 MHz wide.

Both of us had opportunity to look with spectrum analyzers. The signal acted like radar with an antenna rotation time of about 10 seconds, PRF of about 250 Hz but with a few-percent step in PRF every scan. The inter-pulse time went from about 4 milliseconds to perhaps 4.1 milliseconds. The PRF tone sounded like a step or two on the musical scale. Pulse on-time was about 125 microseconds for a duty cycle of around 3%. After about 24 hours the radar disappeared.

The funny thing was how strong it was, that we hadn't heard it before and that it peaked to the west when the antenna at n6gn was rotated. Though there was a lot of multipath on the signal. It was copiable throughout the scan at n6gn and peaks were in the -60 dBm region.

We immediately began wondering if someone was installing a new marine radar somewhere along the California coast. However, this is not particularly populated coastline and it seemed unlikely. Thoughts of QSYing all the radios went through our heads and I went to bed in a bad mood.

I woke up the next morning with a crazy thought; "Could there have been a tropospheric duct to Hawaii?". That same 2400+ mile path has been known to provide usable SSB and even NBFM QSOs on all ham bands from 6M through 10 GHz for well located coastal stations and even once or twice partway into the interior valleys on 2M.

In listening to the local 6M DX/EME repeater I heard talk about KH6 being received on 6M, no big deal since E layer has been good and California <-> Hawaii is fairly common during the season, but this report was of \*tropo\*.

So, my question to the net, particularly to those in Hawaii, is "does anyone know of a 905 MHz radar with the above characteristics that could account for what we observed?" With as much apparant ERP as this thing would have to have, it should produce pretty good QRM for Part 15 device users and amateur users of the lower end of the 902-928 MHz ham band.

Also, are there any other reports of amateur, commercial or TV DX during the last few days from Califronia <-> Hawaii which could corroborate the

presence of a tropo duct? If not Hawaii, is this a common frequency for shipboard radars?

If such a radar does exist in Hawaii, we may be the proud claimants to the world 900 MHZ QRM DX record title. (:>)

Glenn Elmore n6gn

amateur IP: glenn@SantaRosa.ampr.org  
Internet: glenne@sr.hp.com

-----  
Date: Mon, 11 Jul 94 13:13:53 GMT  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!europa.eng.gtefsd.com!  
uhog.mit.edu!news.kei.com!eff!news.duke.edu!solaris.cc.vt.edu!spcuna!  
starcomm.overleaf.com!n2ayj!n2ayj@network.ucsd.edu  
Subject: Amateur calls on auto license plates?  
To: info-hams@ucsd.edu

>In <2vk24c\$rs0@newsgw.mentorg.com> jbate@rtp-nc.mentorg.com (John Bate) writes:  
>

>>You are absolutely right. Also, thieves can look up your address in  
>>the callbook and have a field day while you are in your car.

>In article <2vnjd4\$5mg@snoopy.jh.org> ss@JH.0rg writes:  
>

>In New York anyone can go to the DMV office where you pay parking  
>tickets and stand on line to get the name and address for any plate,

In every state I'm aware of, you can get name and address info from a plate;  
that's why they're on the car! Ownership of vehicles PRIVILEGED to use  
public roads is public record. (Rebut this aspect in nj.politics, NOT HERE!)

Sure, the thieves will look for amateur gear in the vehicles and homes of  
the owners of cars with call plates - and drugs in the cars & homes of doctors  
with MD plates, and valuables in the homes of anyone who broadcasts their  
profession on a vanity plate, or anyone that rudely passed their cool  
(stolen?) car on the Parkway on the way to the shore, embarrassing them  
in front of their new best friends...

Point is, there are floatey things in every bowl of soup; you can chew on  
the greens and complain how bitter it is, or you can recognize they're  
there, strain them out, and enjoy the broth. Call plates are no more or less  
inviting, IMO, than anything else to your average reprobate. (You think  
they don't know what a cell phone antenna looks like?) If they want  
you, they'll make an effort to get you.

"Paranoia strikes deep. / Into your life it will creep. / It starts when you're always afraid..." - Buffalo Springfield

In my experience, I've had to EXPLAIN my plate to most people. (NJ just modified the law so new plates will say AMATEUR RADIO. They didn't before.) Anyone who makes an effort to find out what they mean will become either a ham or a thief? Methinks not. I have too much faith in human nature. MOST PEOPLE (read "good, decent, honest, hard-workin', God-fearin' folks with a semblance of manners and a sense of morality who'd love to chat, but have things to do") just "Oh, how cute" the whole subject.

I'm leaving my call plates on; as another post mentions, they are great PR.

--

Stan Olochwoszcz, N2AYJ - n2ayj@n2ayj.overleaf.com

"Please keep your seat belt securely fastened, keep hands and feet inside the car at all times, secure loose items, exit to your right, and enjoy your day at SixFlagsDisneyKing's GreatMagicDominionIsland BerryFarmGardensParkWorldLand."

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Date: Mon, 11 Jul 1994 17:27:41 GMT

From: ihnp4.ucsd.edu!usc!sdd.hp.com!col.hp.com!srngenprp!donrm@network.ucsd.edu

Subject: CW: Complete the Sentence

To: info-hams@ucsd.edu

Back in the dark days when I was learning the code, there were a couple of word groups for sending practice, particularly on a bug or electronic key. For example:

SUBSTITUTE 66 SHIPS

but the one I forget goes something like:

BENS BEST BENT \_\_\_\_\_

what's the last word?

Anyone know any more?

Don K6LTS

donrm@sr.hp.com

-----

Date: 11 Jul 94 16:35:03 GMT

From: news-mail-gateway@ucsd.edu

Subject: Does CW as a pre-req  
To: info-hams@ucsd.edu

Text item: Text\_1

JS>Because the IRU treaty that governs ham radio operations worldwide  
JS>forbids it for now. Until the treaty is changed, knowledge of morse  
JS>code is required to access frequencies below 30MHz.

The Japanese don't seem to have any trouble with the treaty. All it  
would take is for the US to tell the other nations that we are not  
going to honor it anymore... that's what the Japanese did.

73, KG7BK, 00TC, CecilMoore@delphi.com

-----  
Date: Sat, 09 Jul 1994 13:22:06  
From: ihnp4.ucsd.edu!usc!cs.utexas.edu!convex!seas.smu.edu!rwsys!ocitor!  
FredGate@network.ucsd.edu  
Subject: HDN Releases  
To: info-hams@ucsd.edu

The following files were processed Saturday 7-9-94:

HAMANT [ HamDistNet: Antennas Design and Propagation ]

-----  
ASA11.ZIP ( 197599 bytes) Antenna System Analysis v1.1 for  
Windows

-----  
197599 bytes in 1 file(s)

HAMCOMM [ HAM: CW / APLINK /RTTY terminal programs ]

-----  
HAMCOM30.ZIP ( 421056 bytes) V3.0 by DL5YEC,  
Rtty/Morse/Baudot/ASCII/AMTOR/ARQ-F  
EC

-----  
421056 bytes in 1 file(s)

HAMNEWS [ HAM: Bulletins and Newsletters ]

-----  
WICEN052.ZIP ( 3405 bytes) WICEN Bulletin #052 07/03/94

-----  
3405 bytes in 1 file(s)

HAMSCAN [ HAM: Scanner Freqs and Freq database programs ]  
-----

PGH-PD.ZIP ( 2999 bytes) Pittsburgh, Pa scanner frequencies  
-----

2999 bytes in 1 file(s)

HAMUTIL [ HAM: Radio operating aids ]  
-----

CONTEST.ZIP ( 1498 bytes) "Contest" Icon for Windows  
CQ.ZIP ( 1451 bytes) "CQ" Icon for Windows  
DX.ZIP ( 2263 bytes) ARRL International DX Contest  
Summary Sheet (ASCII)  
DXCC.ZIP ( 10422 bytes) ARRL DX Countries List 02/94  
DXCCLIST.ZIP ( 9673 bytes) DX Countries Listing 07/01/94 by  
k2DI  
FD.ZIP ( 2670 bytes) ARRL Field Day Summary Sheet  
(ASCII)  
KEY.ZIP ( 1457 bytes) "Key" Icon for Windows  
NOVSS.ZIP ( 2382 bytes) ARRL November Sweepstakes Summary  
Sheet (ASCII)  
RADIO.ZIP ( 1509 bytes) "Radio" Icon for Windows  
-----

33325 bytes in 9 file(s)

TVR0 [ TVR0: Satellite Bulletins, Information, News ]  
-----

SNEWS126.ZIP ( 11412 bytes) Satellite News #126 02/07/94  
SNEWS127.ZIP ( 22733 bytes) Satellite News #127 02/21/94  
SNEWS128.ZIP ( 24022 bytes) Satellite News #128 03/07/94  
SNEWS129.ZIP ( 24903 bytes) Satellite News #129 03/21/94  
SNEWS130.ZIP ( 14258 bytes) Satellite News #130 04/05/94  
SNEWS131.ZIP ( 13951 bytes) Satellite News #131 04/18/94  
SNEWS132.ZIP ( 14128 bytes) Satellite News #132 05/03/94  
-----

125407 bytes in 7 file(s)

Total of 783791 bytes in 20 file(s)

Files are available via Anonymous-FTP from ftp.fidonet.org  
IP NET address 140.98.2.1 for seven days. They are mirrored  
to ftp.halcyon.com and are available for 60-90 days.

Directories are:

pub/fidonet/ham/hamnews	(Bulletins)
/hamant	(Antennas)
/hamsat	(Sat. prg/Amsat Bulletins)
/hampack	(Packet)
/hamelec	(Formulas)
/hamtrain	(Training Material)
/hamlog	(Logging Programs)
/hamcomm	(APLink/JvFax/Rtty/etc)
/hammods	(Equip modification)
/hamswl	(SWBC Skeds/Frequencies)
/hamscan	(Scanner Frequencies)
/hamutil	(Operating aids/utils)
/hamsrc	(Source code to programs)
/hamdemo	(Demos of new ham software)
/hamnos	(TCP/IP and NOS related software)

Files may be downloaded via land-line at (214) 226-1181 or (214) 226-1182.  
1.2 to 16.8K, 23 hours a day .

When ask for Full Name, enter:     Guest;guest     <return>

lee - ab5sm  
Ham Distribution Net

\* Origin: Ham Distribution Net Coordinator / Node 1 (1:124/7009)

-----  
Date: 11 Jul 94 17:10:29 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Legal question  
To: info-hams@ucsd.edu

On 07-08-94 SHAWN O'DONNELL wrote to ALL...

S0> No problemo. If you can order the delivery of a pizza by phone  
patch, S0> you  
can order the delivery of a message.  
S0>  
S0> Who's paying for the pager calls, anyway? There are "pagers"

that S0> work on  
ham radios, by the way.  
S0>  
S0> --Shawn

and K5JCM replied . . .

\*NOT\* A pizza order is done in "plain language". 97.113(d) excludes  
"codes and ciphers" which a pager code certainly is!

and I say . . .

Hold on a minute, let's look at the reg., shall we:

First off, the cite should be 97.113 (4)

97.113 Prohibited transmissions. - (a) No amateur station shall  
transmit: [subsections 1-3 deleted]

(4) Music using a phone emission except as  
specifically provided elsewhere in this section; communications  
intended to facilitate a criminal act; messages in codes or  
ciphers intended to obscure the meaning thereof, except as  
otherwise provided herein; obscene or indecent words or  
language; or false or deceptive messages, signals or  
identification;

Key here: "messages in codes or ciphers INTENDED TO OBSCURE THE MEANING  
THEREOF,".

In initiating a pager, most systems require a standard phone call to the  
pager system, where you enter the call back number using the telephone DTMF  
pad. This can be done from a DTMF capable radio and phone patch. No ciphers  
or codes are sent over amateur frequencies other than the phone numbers,  
and those are not sent with an intention to obscure.

In the case of a pager on amateur frequencies, the pager code is  
transmitted directly on the amateur bands. Many new HT's, like my 78A, or  
the FT-530 have the capacity to be used as pagers in this manner. There is  
still no violation, since the pager code is a control code, not a code  
intended to obscure. It is the same as the codes used to access an  
autopatch, control a remote base, or any other similar function. Just make  
sure you are not doing this for business purposes.

My .02

73 (another code) :-)



-----  
Wm. A. Kirsanoff                      Internet: WAKIRSAN@ananov.remnet.ab.com  
Rockwell International                Ham: KD6MCI  
(714) 762-2872  
Alternate Internet: william\_a.\_kirsanoff@ccmail.anatcp.rockwell.com  
-----

Who are you? \* I am number 2. \* Who is number 1? \* You are number 6.  
-----

-----  
Date: Mon, 11 Jul 1994 17:45:42 GMT  
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!europa.eng.gtefsd.com!ulowell!  
wang!dbushong@network.ucsd.edu  
Subject: Legal question  
To: info-hams@ucsd.edu

William\_A.\_Kirsanoff@ccmail.anatcp.rockwell.COM (William A. Kirsanoff) writes:

>On 07-08-94 SHAWN O'DONNELL wrote to ALL...

>        S0> No problemo. If you can order the delivery of a pizza by phone  
>        patch, S0> you  
>        can order the delivery of a message.  
>        S0>  
>        S0> Who's paying for the pager calls, anyway? There are "pagers"  
>        that S0> work on  
>        ham radios, by the way.  
>        S0>  
>        S0> --Shawn

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>  
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> specifically provided elsewhere in this section; communications  
> intended to facilitate a criminal act; messages in codes or  
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> otherwise provided herein; obscene or indecent words or  
> language; or false or deceptive messages, signals or  
> identification;

>Key here: "messages in codes or ciphers INTENDED TO OBSCURE THE MEANING  
>THEREOF,".

>In initiating a pager, most systems require a standard phone call to the  
>pager system, where you enter the call back number using the telephone DTMF  
>pad. This can be done from a DTMF capable radio and phone patch. No ciphers  
>or codes are sent over amateur frequencies other than the phone numbers,  
>and those are not sent with an intention to obscure.

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>transmitted directly on the amateur bands. Many new HT's, like my 78A, or  
>the FT-530 have the capacity to be used as pagers in this manner. There is  
>still no violation, since the pager code is a control code, not a code  
>intended to obscure. It is the same as the codes used to access an  
>autopatch, control a remote base, or any other similar function. Just make  
>sure you are not doing this for business purposes.

In fact, 97.3(c)(5) mentions something about "Incidental tones for the  
purpose of selective calling or alerting", so it would seem that it  
is not prohibited, only that it is considered a "phone" emission  
for purposes of the rules.

Dave, KZ10

--

Dave Bushong, Wang Imaging

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Date: Mon, 11 Jul 94 14:33:40 GMT  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!pipex!ibmpcug!ibmpcug!rcp!  
scott@network.ucsd.edu  
Subject: QSL addresses - please help  
To: info-hams@ucsd.edu

In <Charles.R.Hohenstein.1-080794175740@mac17.hesburgh.lab.nd.edu>  
Charles.R.Hohenstein.1@nd.edu (Charles R. Hohenstein) writes:  
>In article <MUHHuAqJBh107h@rcp.co.uk>, scott@rcp.co.uk (Scott Earle) wrote:  
>>  
>> Could anyone tell me the addresses for the following stations?

>>  
>> 6Y5GR  
>> FM5GN  
>> FG5BG  
>> HT1T  
>> and C01RG  
>>  
>> Thank you very much for any help,  
>>  
>> 73 de Scott  
>>  
>Scott, I can't help you on these calls, but I think you have given an  
>example of a possible need for a newsgroup devoted to QSLing--callsign  
>server updates, QSL routes, hams who have changed addresses, problems  
>encountered with foreign mail systems, etc. Anyone else think this is worth  
>an RFD?

Personally I think it is a good idea, but that's only because I don't have all the  
callbooks ever printed ...

>Charles  
>N9SQE

--

```
=====
| Scott Earle,           | Internet  : scott@rcp.co.uk       | |
| Senior Software Engineer, | AMPRnet   : g0swg@g0swg.ampr.org  |
| RCP Ltd,              | NTS BBS   : G0SWG@GB7AVM         |
| Dales,                |           |                               |
| High Street,          | Tel (work): +44 235 510116       |
| Didcot, Oxon. OX11 8EQ | FAX (work): +44 235 511084       |
=====
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Date: Mon, 11 Jul 1994 17:58:02 GMT  
From: elroy.jpl.nasa.gov!usc!howland.reston.ans.net!swrinde!gatech!udel!  
darwin.sura.net!news.Vanderbilt.Edu!news@ames.arpa  
Subject: WANTED: SX115  
To: info-hams@ucsd.edu

A friend wants a SX115 in good condition. He lives in southern Illinois and  
will want to visit to see the receiver in person. Please EMAIL me and I'll  
forward.

Thanks,  
Mike K5WIM

-----

Date: 11 Jul 1994 15:25:57 GMT  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!agate!cat.cis.Brown.EDU!  
NewsWatcher!user@network.ucsd.edu  
Subject: What sends COMMAS on CW & very high power in Bowie, MD area?  
To: info-hams@ucsd.edu

In article <RICHARD\_BOLT-110794093910@bolt.gsfc.nasa.gov>,  
RICHARD\_BOLT@CCMAIL.GSFC.NASA.GOV (Lightning Bolt) wrote:

> One home TV wipes out on all channels when this COMMA machine is on!  
> Removes color. Other TVs do not see it. comma & 4 seconds, agn comma.  
> (...--..). Not on any ham freq. HF nor 2 nor 6! Abt 15 min at beg. of ever  
> hr & 15 min at Half hr.  
> Poss. Air Force transmitting station 2 miles away? Dick W1DGA  
>  
> --  
> W1DGA

Either I goofed or you did but ...--.. is a question mark, --...-- is a  
comma.

--  
== Tony Pelliccio, KD1NR  
== Anthony\_Pelliccio@brown.edu, Tel. (401) 863-1880 Fax. (401) 863-2269  
== The opinions above are my own and not those of my employer.

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Date: 11 Jul 1994 16:22:02 GMT  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!wupost!trinews.sbc.com!  
news@network.ucsd.edu  
To: info-hams@ucsd.edu

References <070794210011Rnf0.79b4@ham.island.net>,  
<wb9omc.773515194@constellation.ecn.purdue.edu>, <2vrj3s\$sgt@macs.ico.tek.com>  
Subject : Re: Radios for Emergency Use

I tend to agree that a portable cellular is the most graceful way to  
accomplish a rescue. However, if that's not a viable alternative, a civil  
aviation band (116-137MHz AM, worldwide) HT is a good alternative. The fact  
that all the receivers are at 2000 to 30,000 feet AGL eliminates the need for  
any special power or antenna considerations. A legitimate Mayday on 121.5 MHz  
or an intelligently chosen approach or center frequency will produce a  
response. It is still unlicensed operation, but now at least the radio is  
type accepted! Also, now you won't be stepping on the local sheriff's toes  
and your legal dealings will be limited to the FAA and FCC. Prices for these  
radios are only slightly higher than "Ham" HT's and (as a bonus) most of them

receive the weather frequencies (162.55 and such, FM). You just have to decide if you want to play or you want to get rescued. A good dose of natural common sense would be essential and highly recommended!

-Ken

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Date: Mon, 11 Jul 1994 14:48:24 GMT

From: ihnp4.ucsd.edu!swrinde!gatech!news-feed-1.peachnet.edu!news.duke.edu!eff!news.kei.com!wang!dbushong@network.ucsd.edu

To: info-hams@ucsd.edu

References <CsByow.70G@du.edu>, <CsJ5tt.K42@wang.com>,

<Charles.R.Hohenstein.1-080794181113@mac17.hesburgh.lab.nd.edu>ng

Subject : Re: Sock Size Conversion Chart: Inches/CM

Charles.R.Hohenstein.1@nd.edu (Charles R. Hohenstein) writes:

>In article <CsJ5tt.K42@wang.com>, dbushong@wang.com (Dave Bushong) wrote:

>>

>> awinterb@du.edu (Art Winterbauer) writes:

>>

>> >I'm not sure why, but in the past week or so, I've had qsos with a  
>> >number of people who, in addition to telling me the temperature at  
>> >their QTH, have volunteered the size and color of their socks. I  
>> >don't know if this is the beginning of a fad, or if I've simply missed  
>> >this bit of info in previous qsos, but I am now responding in kind.

>>

>> Art,

>>

>> In many parts of Europe, the word "sock" is a slang term that refers  
>> to the external differentiator of the male anatomy, if you get my  
>> meaning. So when they are asking your "sock" size, they are really  
>> referring to something else. When they ask the "color" of it, they  
>> are asking to know if you are gay or not.

>I don't believe this topic is covered in any of the ARRL study guides.

I think that the next release, which should be early spring next year  
(4/1/95), will cover this topic thoroughly.

>Since you seem to be in the know, could you tell us about the color coding?  
>If I say that I am wearing white socks, have I inadvertently indicated an  
>interest in some particular sexual activity? Could you perhaps provide us  
>with a table of sock colors and what they mean? I can't imagine bringing up  
>"sock colors" myself (I still have trouble with the Q codes), but I would  
>definitely like to know the meaning of what I am hearing.

I have a list around here somewhere, but since this is a "family newsgroup" I can't post them in good conscience. But the short answer is that, yes, you have.

If you want to email me, I can send you the sock list, as long as you indicate that your age is over 18 (or the metric equivalent).

Dave, KZ10

p.s. I wear white socks, as long as I have some clean ones.

--

Dave Bushong, Wang Imaging

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End of Info-Hams Digest V94 #776

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